

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 04227827
PUBLICATION DATE : 17-08-92

APPLICATION DATE : 14-06-88
APPLICATION NUMBER : 63146317

APPLICANT : MITSUBISHI RAYON CO LTD;

INVENTOR : AOKI KUNIHIRO;

INT.CL. : B01D 71/48 C08J 9/00 D01F 6/62 D01F 6/86 D01F 6/92 // B01D 69/08 C08L 67:00
B01D 71:48 C08J 9:00 D01D 5:24

TITLE : POROUS HOLLOW-FIBER MEMBRANE AND ITS PRODUCTION

ABSTRACT : PURPOSE: To obtain a material for refining and separating liq. and gas having sufficient mechanical properties and heat resistance by melt-spinning a polyalkylene glycol-polyester block copolymer or the blend of the copolymer with a polyester, heat-treating the obtained hollow undrawn fiber at a specified temp. and drawing the treated fiber.

CONSTITUTION: The polyalkylene glycol (polyethylene glycol)-polyester copolymer or the blend of the copolymer with a polyester contg. 1-25wt.% polyethylene glycol is melt-spun. The obtained hollow undrawn fiber having $\leq 100\mu$ film thickness is heat-treated for ≥ 1 min at a temp. 2-50°C lower than the m.p. of the composition, and then drawn by 20-400% at a temp. 120°C higher than the primary dispersion loss maximum temp. The porous hollow-fiber membrane thus obtained has sufficient mechanical properties and heat resistance and is appropriately used as the material for refining and separating liq. and gas.

COPYRIGHT: (C)1992,JPO&Japio